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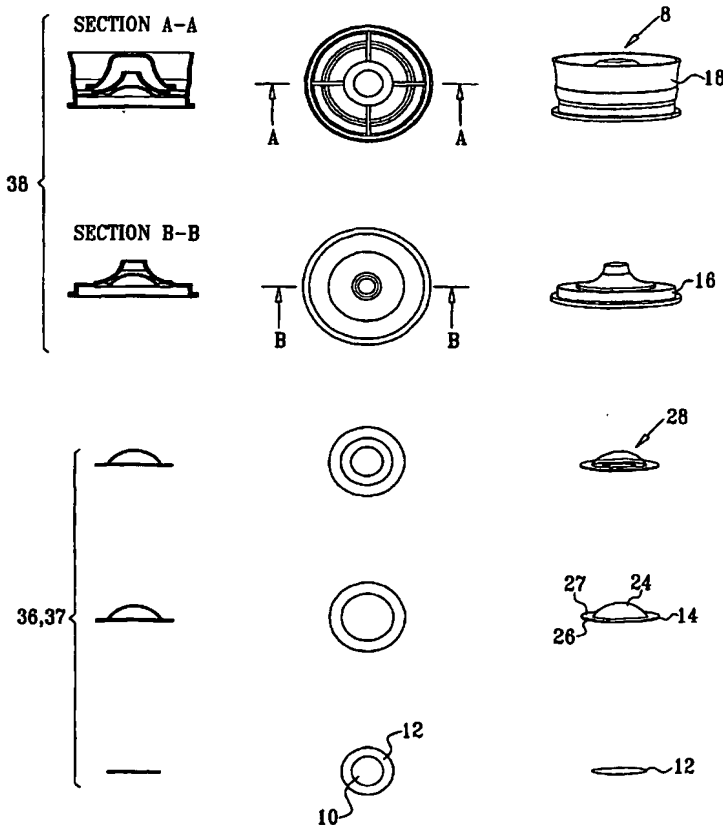
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(54) Title: PIEZOELECTRIC LOUDSPEAKER



(57) Abstract: A loudspeaker (8), including a piezoelectric disk (10) having a first diameter and a diaphragm disk (12) which is fixed to the piezoelectric disk. The diaphragm disk has a second diameter greater than the first diameter. The loudspeaker further includes a cover (14), consisting of a convex surface (24) bounded by an annulus (26,27), which mates with the diaphragm disk to form a generally plano-convex volume (28) between the diaphragm disk and the cover. A labyrinth (16, 18) is fixedly coupled to a circumference of the annulus to provide a path (34) for sound waves.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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US CL : 310/324, 328, 348

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 310/324, 328, 348

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST: JPO, EPO, US-PGUBS, DERWENT, IBM-TBD

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 567 704 A1 (BARLEST) 17 January 1986 (17.01.1986), Figures 2-3.	1-21
Y	JP 3-273963 A (MORI et al) 05 December 1991 (05.12.1991), Figures 1-8.	1-21
A,P	US 6,568,502 B2 (CHANG) 27 May 2003 (27.05.2003), Figures 4-6.	1-21



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See patent family annex.

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